

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

ame of the work: Estimate for Construction of Concrete roads and Asphalt in Thindlu Village in Ward no 09, Vidyaranyapura Sub Division.

Estimate Cost:							2000000.00		
Description	Unit	No.	L	B	D	Qty	Rate	Amount	
KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 138 / Item No. 19.1/ PWD SR 2014-15	Cum								
Drain Desilting Thindlu Circle to Bullet Krishnappa LO		2	130.00	0.45	0.25	29.25			
Bullet Krishnappa LO to GKV Double Road		2	350.00	0.45	0.25	78.75			
CC Road near Primary Health Centre		1	55.00	3.50	0.15	28.88			
						136.88	75.60	10348.00	
Basic Rate	70.00								
Area Weightage @8%	5.60								
Total	75.60								
KSRRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum								
CC Road near Primary Health Centre		1	55.00	3.50	0.15	28.88			
						28.88	4847.04	139958.00	
Basic Rate	4488.00								
Area Weightage @8%	359.04								
Total	4847.04								

I. o	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregates @ 0.43 cum with superplasticiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, No. 12/ Item No. 4.5/ PWD SR 2014-15	Cum							
	CC Road near Primary Health Centre		1	55.00	3.50	0.10	19.25		
							19.25	5852.52	112661.00
	Basic Rate	5419.00							
	Area Weightage @8%	433.52							
	Total	5852.52							
	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift No. 171 / Item No. 22.7 / PWD SR 2014-15	Sqm							
	CC Road near Primary Health Centre		1	55.00	3.50		192.50		
							192.50	97.20	18711.00
	Basic Rate	90.00							
	Area Weightage @8%	7.20							
	Total	97.20							
	Providing groove cutting for cement pavement with of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillers and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications Page No. 172 / Item No. 22.8 / PWD SR 2014-15	Rmt							
	CC Road near Primary Health Centre		4	3.50			14.00		
							14.00	124.20	1739.00
	Basic Rate	115.00							
	Area Weightage @8%	9.20							
	Total	124.20							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 157 / Item No. 21.3 / PWD SR 2014-15	Sqm							
Thindlu Circle to Bullet Krishnappa LO Road both side Shoulder		2	130.00	1.00		260.00		
Bullet Krishnappa LO to GKV Double Road both side Shoulder		2	350.00	1.20		840.00		
						1100.00	82.94	91238.00
Basic Rate	76.80							
Area Weightage @ 8%	6.14							
Total	82.94							
Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications Page No. 154 / Item No. 20.18 PWD SR - 2014-15.	Cum							
Thindlu Circle to Bullet Krishnappa LO Road both side Shoulder		2	130.00	1.00	0.15	39.00		
Bullet Krishnappa LO to GKV Double Road both side Shoulder		2	350.00	1.20	0.15	126.00		
						165.00		
Consider 5% for Road Cutting						8.25		
						173.25	1438.56	249231.00
Basic Rate	1332.00							
Area Weightage @ 8%	106.56							
Total	1438.56							
KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 P. 157 / I. 21.1 PWDSR 2014-15	Sqm							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Thindlu Circle to Bullet Krishnappa LO Road		1	130.00	4.00		520.00		
Bullet Krishnappa LO to GKV Double Road		1	350.00	5.50		1925.00		
						2445.00	12.20	29839.00
Basic Rate	11.30							
Area Weightage @ 8%	0.90							
Total	12.20							
KSRRB 500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 157 / Item No. 21.7 / PWD SR 2014-15								
	Sqm							
						Qty Vide Item No. 04	2445.00	74.52
								182201.00
Basic Rate	69.00							
Area Weightage @ 8%	5.52							
Total	74.52							
KSRRB M500-19: providing and laying bituminous concrete 40mm thick with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, Using 100/120 TPH capacity H.M.P with sensor Paver Gr - II (30 mm to 45 mm) with 6 % VG-300 Bitumen Page No. 161 / Item No. 21.22.2 / PWD SR 2014-15								
	Cum							
Thindlu Circle to Bullet Krishnappa LO Road		1	130.00	4.00	0.040	20.80		
Bullet Krishnappa LO to GKV Double Road		1	350.00	5.50	0.040	77.00		
						97.80		
Consider 5% For Depression Filling						4.89		
						102.69	11070.00	1136778.00
Basic Rate	10250.00							
Area Weightage @ 8%	820.00							
Total	11070.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
11	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				95.81	73.57	7049.00
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	73.57							
12	Sub Total								1979753.00
13	For Third Part QC inspection Charges @ 1% of Estimate Cost								19798.00
14	Miscellaneous and other Charges	L/S							449.00
								Total	2000000.00

(Rs. Twenty Lakhs Only)

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2014-15.
- 3 This work included under POW Grants 2014-15.
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

ADMINISTRATIVELY SANCTIONED FOR Rs

Twenty Lakhs only

Executive Engineer

Bruhat Bangalore Mahanagara Palike

Under

Byatarayanapura Division

Registered as EE () No. 9.9.

Subject to conditions contained in

enclosed memo EE () No _____ /9/...

Dt _____ Estimate A/Sanctioned

1064/2014-15
dated 4/12/2014 Rs. 20.00 Lacs

**Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92**

Page 5 of 5

Assistant Executive Engineer

Bruhat Bangalore Mahanagara Palike

Vidayranyapura Sub Division

Technical Services

20.00 Lakhs
Twenty Lakhs only

142/14-15

TS/EE/142/14-15

25. Open 44

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivasapura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

Lead Distance

1. From BBMP Sub Division office to Devi Circle	1.50 Kms
2. From Devi Circle to Thirumala Daba	2.00 Kms
3. From Thirumala Daba to 3 rd Cross SBI Bank	2.00 Kms
4. From 3 rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5. From Sheshadripuram College to Police Station	0.80 Kms
6. From Police Station to Kogilu Cross	0.60 Kms
7. From Kogilu Cross to Srinivasapura	4.00 Kms
8. From Srinivasapura to Dumping Yard	<u>0.50 Kms</u>
Total	11.90 Kms

Certificate:

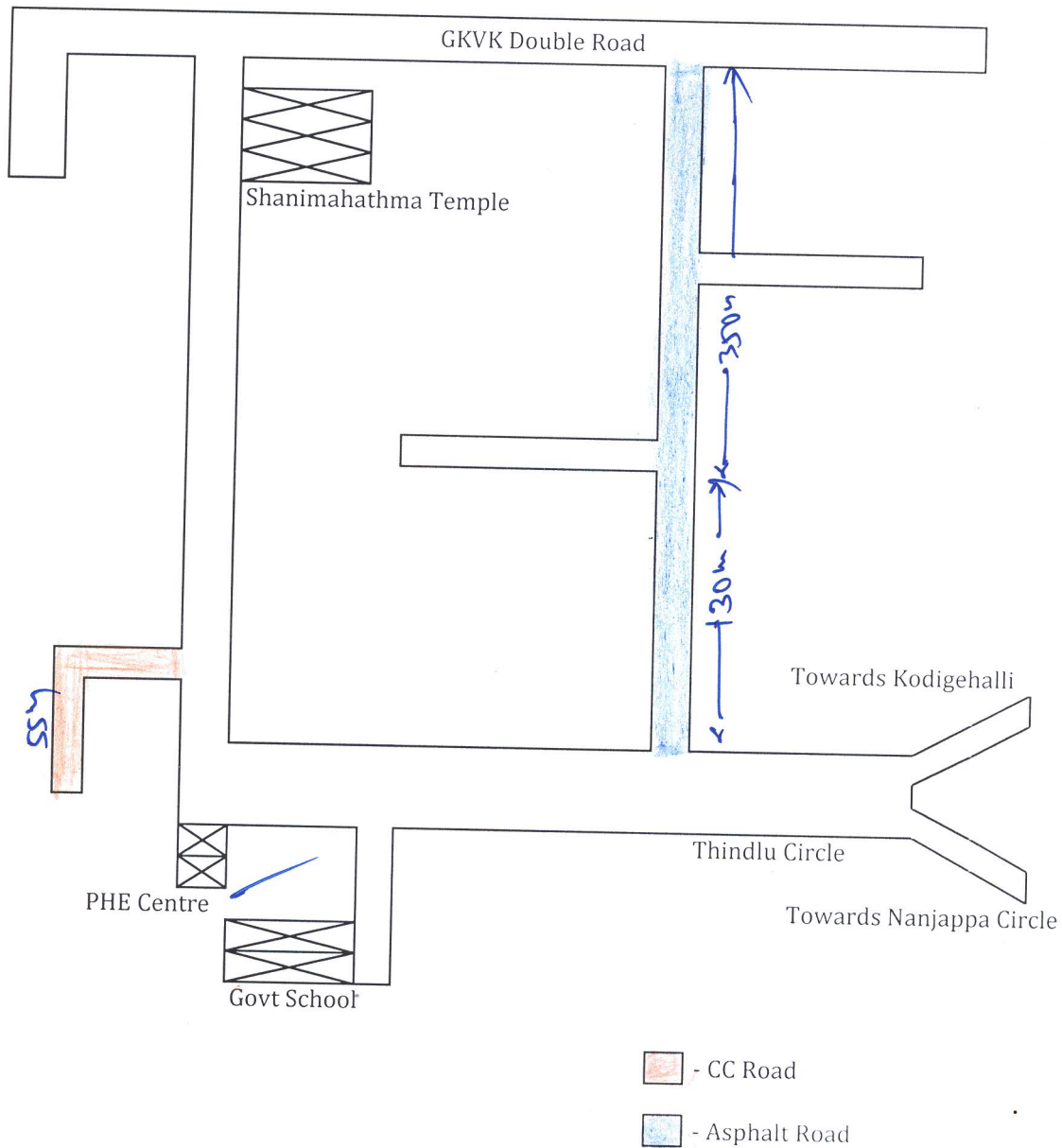
1. Certified that the Srinivasapura Dumping Yard is the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.


Assistant Engineer
Ward No. 09


Assistant Executive Engineer
Vidyaranyapura Sub Division


Executive Engineer
Byatarayanapura Division

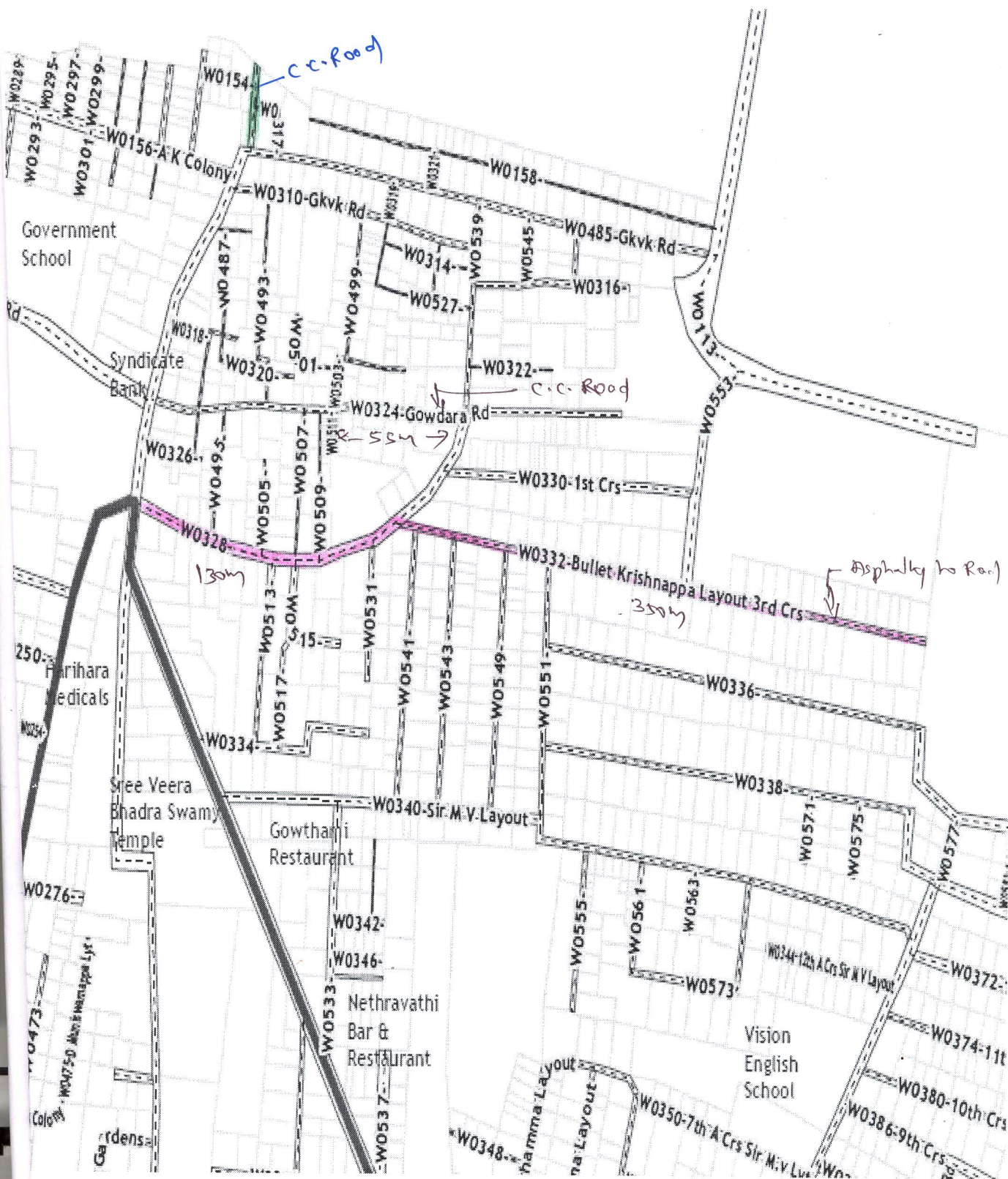
Name of Work: Construction of Concrete Road and Asphaltting in Thindlu Village in Ward No. 09 Vidyaranyapura Sub Division.




Assistant Engineer
WardNo. 09


Assistant Executive Engineer
Vidyaranyapura Sub Division

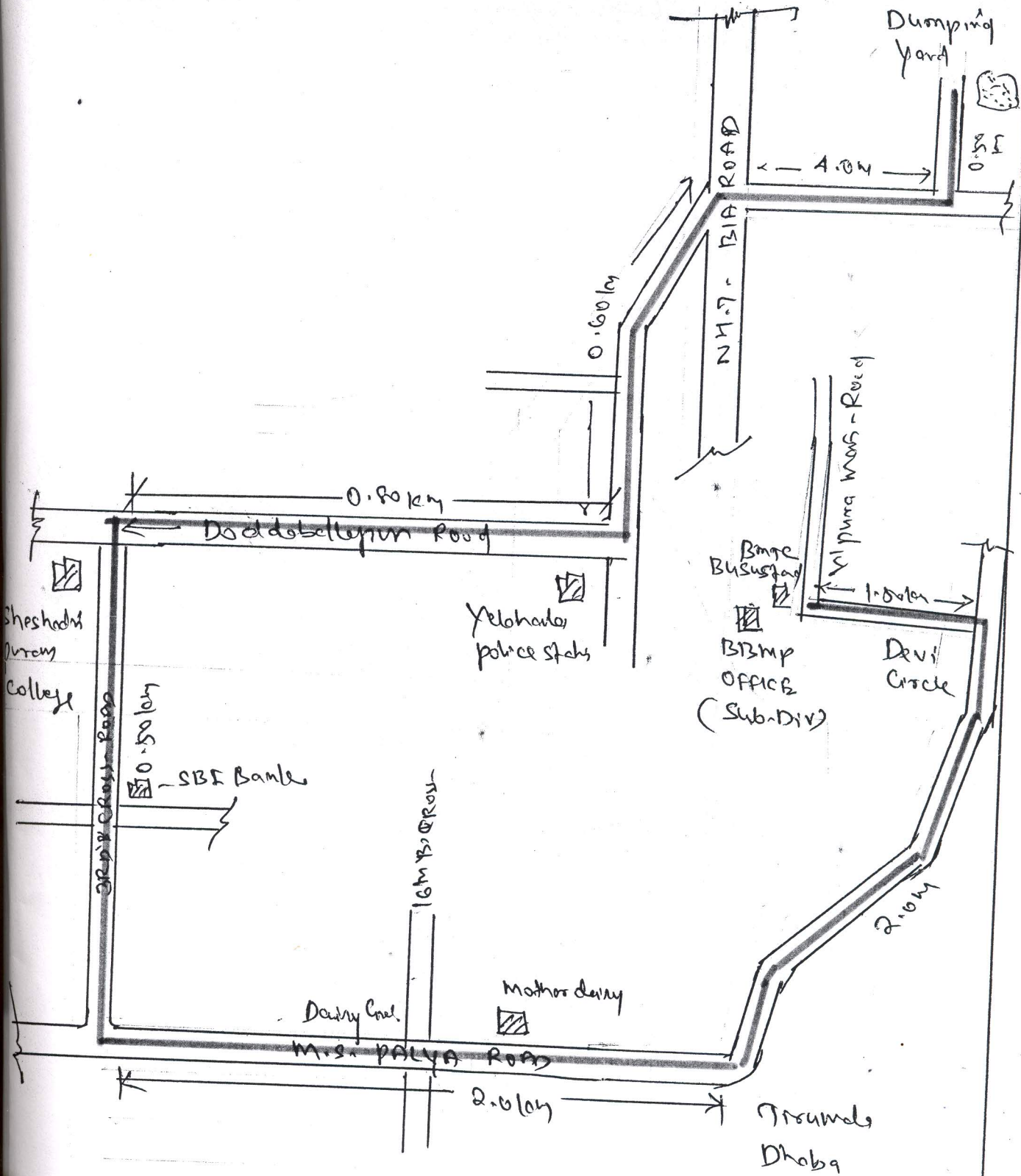
Sketch Showing the Construction of Concrete roads and Asphalt in Thindlu Village in Ward no 09, Vidyaranyapura Sub Division.



Handwritten signature in blue ink.
W-09

Handwritten signature in green ink.
ಸಹಾಯಕ ಕಾರುಣಾಥಿಕ ಅಧೀಯಕರರು
ವಿಶ್ವವಿದ್ಯಾಲಯ ಅರಸೀಕೆರೆ,
ಯಲಹಂಕೆ ಪಾಲಿಕೆ,
ಬಿ.ಬಿ.ಎಂ. ರಸ್ತೆ, ಬೆಂಗಳೂರು-97.

LEAD CHART FOR DUMPING YARD FOR WARD NO 09



26

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ,
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಪಲಯ,
ಬಿ. ಬಿ. ಮ. ಪಾ. ಬೆಂಗಳೂರು-97